

**Agency: Department of Education and Early Development**

**Project Title:**

# Yukon-Koyukuk School District - District-wide Mechanical Systems Planning and Design

**State Funding Requested: \$ 100,000**  
One-Time Need

**House District: 6 - C**

**Brief Project Description:**

Districtwide Mechanical Systems Planning and Design

**Funding Plan:**

**Total Cost of Project: \$100,000**

<u>Funding Secured</u>		<u>Other Pending Requests</u>		<u>Anticipated Future Need</u>	
<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>	<i>Amount</i>	<i>FY</i>
There is no other funding needed					

**Detailed Project Description and Justification:**

Request is for funding the planning and design of projects to address the problems of YKDS's schools mechanical systems. Currently YKSD has at least two village schools where the heating systems are antiquated and failing. The State Fire Marshall has been monitoring some of the schools. the intent is to expedite the planning and design late summer and provide detailed cost estimates for future consideration.

**Project Timeline:**

Project will occur in 2009.

**Entity Responsible for the Ongoing Operation and Maintenance of this Project:**

Yukon Koyukuk School District

**Grant Recipient Contact Information:**

Contact Name: Christopher Simon  
 Phone Number: (907) 868-4776  
 Address: 4762 Old Airport Way Fairbanks, AK 99709  
 Email:

Has this project been through a public review process at the local level and is it a community priority?  Yes  No

*For use by Co-chair Staff Only:*

4:11 PM 4/29/2008

**Yukon Koyukuk School District  
FY09 Capital Improvement Project Priorities**

<b>District Priority</b>	<b>Project Name</b>	<b>Project Summary</b>	<b>Est. Cost</b>
#1	Districtwide Fuel Tank Disposal and Soil Remediation	This project would provide for the removal of all obsolete fuel tanks and remediation of contaminated soil from seven of the district's school sites, including Allakaket, Huslia, Manley, Minto, Hughes, Nulato and Ruby.	\$2,796,252
#2	Kaltag K-12 School Heating System Replacement	The Kaltag School heating system is unreliable and prone to failure. This project would replace the antiquated forced air system with a hydronic heating system.	\$1,073,724
#3	Allakaket K-12 School Water Plant Completion and New Well	Completion of a facility capable of adequately providing the required utility services to the school, including extending the well and replacing antiquated pumps, motors and controls.	\$694,819
#4	Huslia High School Foundation and Exterior Renovation	Replacement of the wet and decayed plywood sheeting and related materials on the foundation walls is needed. Moisture has penetrated and saturated the school's siding and is also in need of replacement.	\$739,277
#5	Nulato K-12 School Renovation	The scope of this project includes renovation of exterior siding, doors, academic and administrative space, circulation system, ceilings and lighting, hydronic and ventilation systems, plumbing and electrical systems.	\$4,557,311
#6	District Office Renovation	With the primary objective of maintaining the existing school facilities and providing teacher housing, the central office building in Fairbanks has significantly deteriorated and is in need of renovation.	5,494,430
#7	District Wide – Remote Monitoring of Boiler Modules	A web-based graphical user interface for each existing Boiler Module control package and Day Tank Alarms will assist the district in maintaining a more efficient heating system in the schools.	\$447,191
#8	Kaltag K-12 School Siding Completion	The school's siding is showing signs of premature failure. A complete replacement is needed to prevent further water penetration into the exterior wall system of the facility.	\$317,355
#9	Allakaket: New carpet and interior paint	To keep up with annual maintenance, YKSD re-carpets and re-paints schools on a rotating basis. The Allakaket school facility is the next on the list.	\$80,000

**Yukon-Koyukuk School District  
FY09 CIP Priority – Kaltag Heating System Replacement**

<b>1. Recipient</b>	Yukon-Koyukuk School District		
<b>2. Project title</b>	Kaltag heating system replacement		
<b>3. House/Senate district</b>	House 6; Senate C		
<b>4. Brief description of project</b>	The Kaltag School heating system is unreliable and prone to failure. This project would replace the antiquated forced air system with a hydronic heating system.		
<b>5. Total cost of the project from inception to completion</b>	<b>Project Category</b>	<b>Project Cost</b>	
	Construction Management	\$24,778	
	Design Services	\$82,594	
	Construction	\$825,941	
	Equipment	\$20,659	
	Administrative	\$74,335	
	Percent for Art	\$4,130	
	Project Contingency (5%)	\$41,297	
	<b>Total Funding Request</b>	<b>\$1,073,724</b>	
<b>6. FY09 funding request from state, if different from #5</b>	n/a		
<b>7. If your project is funded this year, will you be requesting state funding again</b>	No		
<b>8. Funding Plan</b>	<b>List of funding secured:</b>		
		<b>Amount Secured</b>	<b>Fiscal Year</b>
	Federal Funds	\$0	
	State Funds	\$0	
	Denali Commission	\$0	
	Rasmuson Foundation	\$0	
	Local Funds	\$0	
	Other Funds	\$0	
	<b>List of non-state funding currently requested but not yet secured:</b>		
		<b>Amount Requested</b>	<b>Fiscal Year</b>
	Federal Funds	\$0	
	Denali Commission	\$0	
	Rasmuson Foundation	\$0	
	Local Funds	\$0	
	Other Funds	\$0	

Yukon-Koyukuk School District  
 FY09 CIP Priority – Kaltag Heating System Replacement

	<p><b>List of additional funding required to complete project:</b></p> <table border="1" data-bbox="537 247 1433 516"> <thead> <tr> <th></th> <th>Amount Requested</th> <th>Fiscal Year</th> </tr> </thead> <tbody> <tr> <td>Federal Funds</td> <td>\$0</td> <td></td> </tr> <tr> <td>State Funds</td> <td>\$0</td> <td></td> </tr> <tr> <td>Denali Commission</td> <td>\$0</td> <td></td> </tr> <tr> <td>Rasmuson Foundation</td> <td>\$0</td> <td></td> </tr> <tr> <td>Local Funds</td> <td>\$0</td> <td></td> </tr> <tr> <td>Other Funds</td> <td>\$0</td> <td></td> </tr> </tbody> </table> <p><b>Explanation of “Other Funds” above:</b></p>		Amount Requested	Fiscal Year	Federal Funds	\$0		State Funds	\$0		Denali Commission	\$0		Rasmuson Foundation	\$0		Local Funds	\$0		Other Funds	\$0	
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<p><b>9. Detailed project description and justification</b></p>	<p>The Kaltag School heating system consists of a series of Singer forced air furnaces and draft inducer units. The Singer brand heating units have reached their life expectancy. The system is now obsolete, and because the company sold its heating division years ago parts are difficult to acquire.</p> <p>The school also relied upon the village’s recovered heat from the power plant that was located next to the school. A new power plant was constructed in 2005 further away from the school; an attempt was made to utilize waste heat from the new power plant, but because of the distance, heat recovery was minimal. This caused a greater demand on the school’s forced air heating units.</p> <p>The school’s remote location, coupled with Kaltag’s harsh winters underscore the need for a dependable heating system; reliability remains a concern. During the fall of 2006, the heating system failed, forcing the school to close for several days.</p> <p>The requested funding will allow for replacement of the antiquated forced air system with a hydronic heating system, and the construction of a building behind the school to house the boilers and controls.</p> <p>No part of this project can be defined as a maintenance or custodial issue. This request for funding is a one time, non-recurring request.</p>																					
<p><b>10. Is the project a community priority?</b></p>	<p>Yes</p>																					
<p><b>11. Project timeline description</b></p>	<p>Upon receipt of funding, this project could be completed in 2008.</p>																					
<p><b>12. Who will be responsible for the cost of ongoing maintenance and operation?</b></p>	<p>Yukon-Koyukuk School District</p>																					

Yukon-Koyukuk School District  
FY09 CIP Priority – Kaltag Heating System Replacement

<b>13. Grant recipient contact information</b>	Contact Name: Chris Simon, Superintendent Phone: 907.374.9494 Address: 4762 Old Airport Way, Fairbanks, AK 99709-4456 Email: csimon@yksd.com
<b>14. Is the project included in the Governor's FY09 Budget?</b>	No.  <b>If yes, list the department the project is in as well as the title:</b>